

Monitoring Data Record

Project Title: R-3415 NC 67 Widening COE Action ID: 200520314  
Stream Name: UT North Deep Creek (Site 6) DWQ Number: 05-0061  
City, County and other Location Information: NC 67 2.0 miles west of Boonville and just east of Bryant Road (Sta. 209+25 -L- RT.); Yadkin county  
Date Construction Completed: Streambank repairs completed in June 2010 and final planting completed in January 2011 Monitoring Year: ( 1 ) of 3  
Ecoregion: \_\_\_\_\_ 8 digit HUC unit 03040101  
USGS Quad Name and Coordinates: N 36 14' 11" W 80 44' 34"

**Rosgen Classification:** \_\_\_\_\_

Length of Project: 77 feet Urban or Rural: Rural Watershed Size: \_\_\_\_\_  
Monitoring DATA collected by: J. Young and J. Lancaster Date: 8/16/11

**Applicant Information:**

Name: NCDOT Roadside Environmental Unit  
Address: 1425 Rock Quarry Road Raleigh, NC 27610  
Telephone Number: (919) 861-3772 Email address: mlgreen@ncdot.gov

**Consultant Information:**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone Number: \_\_\_\_\_ Email address: \_\_\_\_\_

**Project Status:** Complete

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**Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.):** Level 1

Permit states: The permittee shall visually monitor the vegetative plantings to assess and ensure complete stabilization of the mitigation stream segments. The monitoring shall be conducted annually for a minimum of 3 years after final planting. Photo documentation should be utilized to document the success of the riparian vegetation and submitted to DWQ in a final report. After 3 years a site visit shall be conducted by DWQ to "close out" the mitigation site.

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**Section 1. PHOTO REFERENCE SITES**

*(Monitoring at all levels must complete this section)*

**Total number of reference photo locations at this site:** 2 photos were taken from 1 photo point location along the channel and 1 overview photo was taken

**Dates reference photos have been taken at this site:** 8/16/11

**Individual from whom additional photos can be obtained (name, address, phone):** \_\_\_\_\_

**Other Information relative to site photo reference:** A site map is included with this report showing the photo point locations.

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If required to complete Level 3 monitoring only stop here; otherwise, complete section 2.

**Section 2. PLANT SURVIVAL**

**Attach plan sheet indicating reference photos.**

Identify specific problem areas (missing, stressed, damaged or dead plantings):

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Estimated causes, and proposed/required remedial action: \_\_\_\_\_

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**ADDITIONAL COMMENTS:** Planted vegetation noted onsite included black willow, silky dogwood, tulip poplar, sycamore, river birch, and green ash. Other vegetation noted included briars, lespedeza, fennel, and various grasses.

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If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.

**Section 3. CHANNEL STABILITY**

**Visual Inspection:** The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. Physical measurements of channel stability/morphology will not be required. Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

UT North Deep Creek (Site 6) is stable for the Year 1 monitoring evaluation. NCDOT will continue to monitor this stream relocation.

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Date Inspected	Station Number				
Structure Type					
Is water piping through or around structure?					
Head cut or down cut present?					
Bank or scour erosion present?					
Other problems noted?					

**Section 4. DEBIT LEDGER**

The entire UT to North Deep Creek (Site 6) stream mitigation site was used for the R-3415 project to compensate for unavoidable stream impacts.

# UT North Deep Creek (Site 6)



Photo Point #1 (Upstream)



Photo Point #1 (Downstream)



Overview photo of the site

August 2011

# R-3415 - SITE 6

## ⊕ PHOTO POINT LOCATIONS

